

S/N unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SHIGETOMI et al. Serial No.: unknown
Filed: concurrent herewith Docket No.: 8694.49USC1
Title: STORAGE MEDIA HAVING ELECTRONIC CIRCUIT AND COMPUTER
SYSTEM INCLUDING STORAGE MEDIA

CERTIFICATE UNDER 37 CFR 1.10

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By: 

Name: Omesh Singh

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment:

IN THE ABSTRACT

Line 12, delete "wherein".

IN THE SPECIFICATION

Please replace the second paragraph of page 1 (lines 14 - 19) with the following rewritten paragraph.

--Conventionally, in a computer system, since a particular model is developed for a particular computer Operating System (hereinafter, it is referred to as OS) as a software, it is

very rare for a plurality of OS's desired by a user to run on one model, or for the same OS to run on the computers of a plurality of manufacturers.--

Please replace the first paragraph of page 9 (lines 1-3) with the following rewritten paragraph.

--< A Configuration Example of the ID (Intelligent Disc) and The ID System in An Aspect of The Present Embodiment >--

Please replace the first paragraph of page 10 (lines 1-8) with the following rewritten paragraph.

--The intelligent circuit portion 2 exchanges information with an external device, through a system interface 26. A contact point of the interface may either be a physical contact type or a non-physical contact type, or may either be a buss coupling or a wireless communication coupling. As a wireless communication, an electric wave communication, an optical communication and the like could be considered.--

Please replace the third full paragraph of page 11, beginning with line 22, with the following rewritten paragraph.

--When improving a conventional device, although it is necessary to match the system side and the ID side through the ID interface 22 and the system interface 26, it is preferable that the interface (also in a case of a bus coupling) be standardized so that any system and any ID can be easily coupled.--

Please replace the fourth full paragraph of page 12 (lines 17-20) with the following rewritten paragraph.

--Further, in the present example, the system A or the system B is operated with the OS for its own model (OS-A, OS-B,...), respectively, and pseudo-implements other OS based on this OS for its own model--.

Please replace the third full paragraph of page 13, beginning with line 22, with the following rewritten paragraph.

--When there is a designation that the user wishes to change the OS, it proceeds to the step S46, and checks if the system A has an emulator for the OS (OS-1 or OS-2) selected on the ID. If there is, then it proceeds to the step S48 and reads a desired OS on the ID, and if the transfer is good then it proceeds from S49 to S50 and carries out the change of the OS. When there is no matching emulator on system A, it reads a suitable emulator together with an OS from the ID in the step S47, and carries out a change of the OS.--

Please replace the third full paragraph of page 14 (lines 17-22) with the following rewritten paragraph.

--Fig. 5 is an example showing the storage contents of the ID, when it is possible to make the startup of a plurality of different personal computers by one ID. Herein, the system A, the system B, ..., the system N are the systems which operate with the different OS's (OS-A, OS-B,..., OS-N).--

Please replace the first full paragraph of page 15 (lines 5-7) with the following rewritten paragraph.

--Further, the present example is a method which can be applied when the standardization of each system proceeds.--

Please replace the fourth full paragraph of page 17 (lines 22-25) with the following rewritten paragraph.

--At first, the circuit portion 2 on the ID checks on insertion of the ID into a drive in the step S81, proceeds to the step S82 if inserted, and then requests to the system 10 the data of the print condition.--

Please replace the first paragraph of page 21 (lines 1-10) with the following rewritten paragraph.

--According to the above mentioned ID, the computer industry could be free from the oligopolistic controls of the CPU and OS manufacturers, and an ID which has been installed with the most suitable CPU for each software could be sold by the software manufacturers. Also, the hardware manufacturers can escape from the present situation in which hardware manufacturers become a business of producing no profit by forcing them to make model changes three to four times per year with the frequent improvements of the CPU.--

Please replace the second paragraph of page 21 (lines 11-19) with the following rewritten paragraph.

--For the user, the ID could enhance convenience. For example, since the existing software is not easy to use unless it is copied once from the CD-ROM and the like to the hard disk, the capacity of the hardware is immediately filled up, thereby an add-in of the hardware or an upgrade of the computer itself must be done, but with the ID no such things are necessary, and any trouble associated with attachment and detachment of hardware such as the hard disk is avoidable.--

Please replace the third paragraph of page 21, beginning with line 20, 7with the following rewritten paragraph.

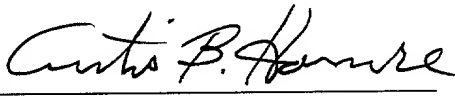
--That is, according to the ID, it is possible to provide a flexible provision for changes and the like of the specifications such as the improvement of the CPU, as well as to avoid the

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Curtis B. Hamre (Reg. No. 29,165), at (612) 336.4722.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Dated: 25 July 2001

By 
Curtis B. Hamre
Reg. No. 29,165

CBH/kjr

MARKED UP COPY OF SPECIFICATION
8694.49USC1

Page 1, paragraph 2 (lines 14-19):

Conventionally, in a computer system, since a particular model is developed for a particular computer Operating System (hereinafter, it is referred to as OS) as a software, it is very rare for a plurality of OS's desired by a user to run on one model, or for the same OS to run[s] on the computers of a plurality of manufacturers.

Page 9, paragraph 1 (lines 1-3):

< A[n] Configuration Example of the ID (Intelligent Disc) and The ID System in An Aspect of The Present Embodiment >

Page 10, paragraph 1 (lines 1-8):

The intelligent circuit portion 2 exchanges information with an external device, through a system interface 26. A contact point of the interface may either be a physical contact type or a non-physical contact type, or may either be a buss coupling or a wireless communication coupling. As a wireless communication, an electric wave communication, an optical communication and the like[s] could be considered.

Page 11, paragraph 3 (lines 22-25):

When improving a conventional device, although it is necessary to match the system side and the ID side through the ID interface [12]22 and the system interface [24]26, it is preferable that the interface (also in a case of a bus[s] coupling) be standardized so that any system and any ID can be easily coupled.

Page 12, paragraph 4 (lines 17-20):

Further, in the present example, the system A or the system B is operated with the OS for its own model (OS-A, OS-B,...), respectively, and [pseudo]pseudo-implements other OS based on this OS for its own model

Page 13, paragraph 3 (lines 22-26):

When there is a designation that the user wishes to change the OS, it proceeds to the step S46, and checks if[on] the system A has an emulator for the OS (OS-1 or OS-2) selected on the ID. If there is, then it proceeds to the step S48 and reads a desired OS on the ID, and if the transfer is good[all right] then it proceeds from S49 to S50 and carries out the change of the OS. When there is no matching emulator on system A, it reads a suitable emulator together with an OS from the ID in the step S47, and carries out a change of the OS.

Page 14, paragraph 3 (lines 17-22):

Fig. 5 is an example showing the storage contents of the ID, when it is possible to make the startup of a plurality of different personal computers by one ID. Herein, the system[s] A, the system B, ..., the system N are the systems which operate with the different OS's (OS-A, OS-B,..., OS-N).

Page 15, paragraph 1 (lines 5-7):

Further, the present example is a method which can be applied when the standardization of each system proceeds.

Page 17, paragraph 4 (lines 22-25):

At first, the circuit portion 2 on the ID checks [an insertion]on insertion of the ID into a drive in the step S81, proceeds to the step S82 if inserted, and then requests to the system 10 the data of the print condition.

Page 21, paragraph 1 (lines 1-10):

According to the above mentioned ID, the computer industry could be free from the oligopolistic controls of the CPU and OS [manufactures]manufacturers, and an ID which has been installed with the most suitable CPU for each software could be sold by the software manufacturers. Also, the hardware manufacturers can escape from the present situation in which hardware manufacturers become a business of producing no profit by forcing them to make model changes three to four times per year with the frequent improvements of the CPU.

Page 21, paragraph 2 (lines 11-19):

For the user, the ID could enhance convenience. For example, since the existing software is not [easy of]easy to use unless it is copied once from the CD-ROM and the like to the hard disk, the capacity of the hardware is immediately filled up, thereby an add-in of the hardware or an upgrade of the computer itself must be done, but with the ID no such things are necessary, and [can avoid]any trouble associated with [an]attachment and [a]detachment of [the]hardware such as the hard disk is avoidable.

Page 21, paragraph 3, beginning with line 20:

That is, according to the ID, it is possible to provide a flexible provision for changes and the like of the specifications such as the improvement of the CPU, as well as to avoid the events which cause[s] a loss of convenience of the user such as in[]compatibility of the hardware according to a difference of the OS or the format. Using the ID, the hardware, which has been viewed as a computer itself conventionally, becomes merely a man-machine interface (i.e., [the]one which is [combined of the]a combination ofdisplay and [the]keyboard and the like), and can be placed [as the]amonghome electrical products such as the

TV and [VT R]VCR, i.e., consumer durables, and thereby the convenience for the user can be enhanced substantially and the added value can be enhanced for the manufacturers in a direction of putting some thought into the design and function thereof.

Page 22, paragraph 1 (lines 10-17):

Further, at the present time, the waste handling of the computers becomes a social problem, but this problem is caused by abnormal model changes which become [obsolescent]obsolete within three months on an average, in the computer industry[, but the]_ [t]The ID will eliminate the cause thereof, make the computer industry to be free from the oligopolistic control, and substantially enhance the convenience of the user.

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